

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1902	micro\$1lens\$4 and ((trench gap) same (fill\$4))	US-PGPUB; USPAT	OR	ON	2011/03/21 08:28
L2	12	("20040135875" "20070057268" "5936347" "6025858" "6353502" "6480219" "6498356" "6611280" "6724414" "6765277" "6844888" "7224379").PN. OR ("7705868").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/21 08:47
L3	128	micro\$1lens\$4 and ((trench gap) same (opaque))	US-PGPUB; USPAT	OR	ON	2011/03/21 08:47
L4	59	("0000491" "3357770" "3522424" "4512641" "4632522" "5463498" "5465175" "5822125").PN. OR ("6381072").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/21 08:52
L5	204	endoscope and camera and microlens	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/21 10:13
S21	1	"20070109438".pn.	US-PGPUB; USPAT	OR	ON	2008/12/22 10:51
S22	678	348/340.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/22 10:52
S23	8046	micro near lens	US-PGPUB; USPAT	OR	ON	2008/12/22 10:52
S24	3340	micro-lens	US-PGPUB; USPAT	OR	ON	2008/12/22 10:52
S25	0	ep-0825764-\$.did.	US-PGPUB; USPAT; DERWENT	OR	ON	2008/12/22 10:53
S26	1	ep-825764-\$.did.	US-PGPUB; USPAT; DERWENT	OR	ON	2008/12/22 10:53
S27	76	S22 and (S23 S24)	US-PGPUB; USPAT	OR	ON	2008/12/22 13:34
S28	4639	microlens near array	US-PGPUB; USPAT	OR	ON	2008/12/23 08:24
S29	124806	"348".clas.	US-PGPUB; USPAT	OR	ON	2008/12/23 08:24
S30	558	S28 and S29	US-PGPUB; USPAT	OR	ON	2008/12/23 08:24
S31	124122	lithograph\$	US-PGPUB; USPAT	OR	ON	2008/12/23 08:34

S32	680	348/340.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/23 08:34
S33	28	S31 and S32	US-PGPUB; USPAT	OR	ON	2008/12/23 08:34
S34	1	jp-2001061109-\$.did.	US-PGPUB; USPAT; DERWENT	OR	ON	2008/12/23 09:33
S35	8056	micro near lens	US-PGPUB; USPAT	OR	ON	2008/12/23 11:00
S36	3344	micro-lens	US-PGPUB; USPAT	OR	ON	2008/12/23 11:00
S37	6	(S35 S36) near anamorphic	US-PGPUB; USPAT; DERWENT	OR	ON	2008/12/23 11:00
S38	363	pinhole near diaphragm	US-PGPUB; USPAT; DERWENT	OR	ON	2008/12/23 13:52
S39	0	S38 and S32	US-PGPUB; USPAT; DERWENT	OR	ON	2008/12/23 13:52
S40	46074	pinhole	US-PGPUB; USPAT; DERWENT	OR	ON	2008/12/23 13:53
S41	21	S40 and S32	US-PGPUB; USPAT; DERWENT	OR	ON	2008/12/23 13:54
S42	428	(S40 and (S35 S36)) not S41	US-PGPUB; USPAT; DERWENT	OR	ON	2008/12/23 14:13
S43	45	S42 and "348".clas.	US-PGPUB; USPAT; DERWENT	OR	ON	2008/12/23 14:13
S44	2	"20030214898".pn.	US-PGPUB; USPAT; DERWENT	OR	ON	2008/12/24 08:23
S45	88	liquid near lens near zoom	US-PGPUB; USPAT; DERWENT	OR	ON	2008/12/24 08:49
S46	14	S45 not projector	US-PGPUB; USPAT; DERWENT	OR	ON	2008/12/24 08:51
S47	100	348/240.2 and liquid	US-PGPUB; USPAT; DERWENT	OR	ON	2008/12/24 08:54
S48	0	359-665.ccls.	US-PGPUB; USPAT; DERWENT	OR	ON	2008/12/24 09:42
S49	366	359/665.ccls.	US-PGPUB; USPAT; DERWENT	OR	ON	2008/12/24 09:42

S50	8623	micro near lens	US-PGPUB; USPAT	OR	ON	2009/05/26 14:15
S51	3569	micro-lens	US-PGPUB; USPAT	OR	ON	2009/05/26 14:15
S52	190	(S50 S51) and anamorphic	US-PGPUB; USPAT; DERWENT	OR	ON	2009/05/26 14:15
S53	190	(S50 S51) and anamorphic	US-PGPUB; USPAT	OR	ON	2009/05/26 14:15
S54	1	"5682203".pn.	US-PGPUB; USPAT	OR	ON	2009/06/04 08:30
S55	2	anamorphic near micro near lens	US-PGPUB; USPAT	OR	ON	2009/06/04 08:42
S57	1	"6141048".pn.	US-PGPUB; USPAT	OR	ON	2009/06/04 08:45
S58	16	anamorphic near5 micro near lens	US-PGPUB; USPAT	OR	ON	2009/06/04 08:48
S59	3	10/411290	US-PGPUB; USPAT	OR	ON	2009/06/04 08:49
S60	18	("20020001066" "20020135825" "20030168679" "20030189755" "20030227684" "20060102827" "20070091453" "4403827" "4994664" "5477383" "5555129" "5561558" "5561683" "5742433" "6327086" "6545808" "7038184" "7390532").PN.	US-PGPUB; USPAT	OR	ON	2010/01/19 09:40
S61	90	(active same inactive) near5 area and "348".clas.	US-PGPUB; USPAT	OR	ON	2010/01/19 09:44
S62	25	(US-20070109438-\$ or US-20080239138-\$ or US-20070206110-\$ or US-20070187576-\$ or US-20070126912-\$ or US-20060072029-\$ or US-20060055811-\$ or US-20060044450-\$ or US-20050073603-\$ or US-20050024520-\$ or US-20040183938-\$ or US-20050041134-\$ or US-20030214898-\$ or US-20060192869-\$ or US-20030086013-\$ or US-20040218283-\$ or US-20020145797-\$ or US-20030095317-\$ or US-20010001562-\$).did. or (US-7405761-\$ or US-6690049-\$ or US-5682203-\$ or US-	US-PGPUB; USPAT; DERWENT	OR	ON	2010/06/21 07:28

		7196728-\$.did. or (EP-825764-\$ or EP-1079613-\$.did.				
S63	15	S62 and (pinhole (pin near2 hole) aperture)	US-PGPUB; USPAT; DERWENT	OR	ON	2010/06/21 07:28
S64	421	pinhole same (microlens (micro adj lens) micro \$1lens)	US-PGPUB; USPAT	OR	ON	2010/07/28 09:13
S65	21	S64 and 348/207.99-376.ccls.	US-PGPUB; USPAT	OR	ON	2010/07/28 09:21
S66	1104	pinhole and (microlens (micro adj lens) micro \$1lens)	US-PGPUB; USPAT	OR	ON	2010/07/28 09:23
S67	32	S66 and 348/207.99-376.ccls.	US-PGPUB; USPAT	OR	ON	2010/07/28 09:23
S68	5	("20040252867" "6211916" "7135725" "7274808" "7515342").PN. OR ("7728902").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/28 09:25
S69	1872	camera same (credit adj card)	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/28 09:32
S70	378	camera near5 (credit adj card)	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/28 09:32
S71	35	S70 and 348/207.99-376.ccls.	US-PGPUB; USPAT	OR	ON	2010/07/28 09:32
S72	26	camera near5 (chip adj card)	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/28 09:36
S73	61	scan\$4 near5 (chip adj card)	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/28 09:37
S74	18	iris near5 (credit adj card)	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/28 09:44
S75	83	S64 and "250".clas.	US-PGPUB; USPAT	OR	ON	2010/07/28 09:50
S76	1	("20010026322").PN.	US-PGPUB; USPAT	OR	ON	2010/07/28 09:55
S77	1	"20060006438".pn.	US-PGPUB; USPAT	OR	ON	2010/07/28 10:00
S78	894	microlens and card	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:11
S79	840	microlens and card and image	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:11
S80	168	microlens and card and image and "form factor"	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:11
S81	242	microlens and (card near5 (chip credit)) and image	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:12
S82	135	microlens and (card near5 (credit)) and image	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:12
S83	54	microlens and (card near5 (credit)) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:15

S84	866	microlens and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:19
S85	60	microlens same image near4 captur\$4 and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:19
S86	0	microlens same image near4 captur\$4 and "intelligent cockpit monitoring"	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:21
S87	0	microlens same image near4 captur\$4 and "intelligent cockpit monitor"	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:21
S88	29	microlens same image near4 captur\$4 and medical	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:22
S89	18	("20010028506" "20020017612" "20020075450" "20020075450" "20030086013" "20030111593" "20030156214" "20040085598" "20070188653" "4783141" "4933751" "5200818" "5291334" "5439621" "5731899" "5812322" "6137535" "6137535" "6141048" "6765617").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:25
S90	3660	image near4 sensor and (card near5 (chip credit)) and image	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:28
S91	2951	image near4 sensor and (card near5 (credit)) and image	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:28
S92	2951	image near4 sensor and (card near5 (credit))	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:29
S93	2936	image near4 sensor and (card near2 (credit))	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:29
S94	146	image near4 sensor near3 integrat\$4 and (card near2 (credit))	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:29
S95	0	image near4 sensor near3 integrat\$4 same (card near2 (credit))	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:29

S96	17	("20040129787" "20040179718" "20050232471" "20050240778" "20070034700" "20080017703" "20080237357" "5623552" "5991617" "6070804" "6194993" "6378774" "6434259" "6466126" "7049958" "7350717" "7424134").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:30
S97	0	"intelligent cockpit monitor"	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:36
S98	1	"intelligent cockpit monitor"ing	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:36
S99	830242	intelligent cockpit monitoring	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:36
S100	108337	S99 and camera	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:37
S101	1417	S100 and (lenslet micro \$1lens)	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:37
S102	589	S100 and (lenslet)	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:37
S103	1	"intelligent cockpit monitoring"	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:38
S104	26	"cockpit monitoring"	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:38
S105	1	S104 and (lenslet micro \$1lens)	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:38
S106	4	S104 and camera	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:38
S107	1	"20050061951".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/30 17:51
S108	1	"7027719".pn.	US-PGPUB; USPAT	OR	ON	2010/07/31 11:34
S109	2873	micro\$1lens\$4 and (low near3 light\$4)	US-PGPUB; USPAT	OR	ON	2010/07/31 12:02
S110	0	micro\$1lens\$4 and (low near3 light\$4) same (pixel near5 spacing)	US-PGPUB; USPAT	OR	ON	2010/07/31 12:02
S111	20	micro\$1lens\$4 and (low near3 light\$4) same (pixel near5 plurality)	US-PGPUB; USPAT	OR	ON	2010/07/31 12:03
S112	18	(low near3 light\$4) same (pixel near5 spacing)	US-PGPUB; USPAT	OR	ON	2010/07/31 12:08
S113	122	(sensitivity) same (pixel near5 spacing)	US-PGPUB; USPAT	OR	ON	2010/07/31 12:11
S114	190	pixel near5 spacing near5 increas\$4	US-PGPUB; USPAT	OR	ON	2010/07/31 14:42

S115	24	S114 and (lenslet micro \$1lens\$4)	US-PGPUB; USPAT	OR	ON	2010/07/31 14:43
S116	1	"6141048".pn.	US-PGPUB; USPAT	OR	ON	2010/07/31 14:50
S117	50	("3910683" "4085411" "4318123" "4323925" "4377753" "4443088" "4463383" "4573177" "4612521" "4689291" "4708436" "4733096" "4809075" "4973833" "4994664" "5004901" "5076687" "5151790" "5187358" "5233174" "5329312" "5340978" "5444483" "5461425" "5471515" "5497269" "5504621" "5529936" "5705807" "5708263" "5754056" "5760834" "5784178" "5814803" "5838176" "5841126" "5844238").PN. OR ("6141048").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/31 14:51
S118	55	("3932184" "4200794" "4279690" "4421398" "4427265" "4611124" "4691993" "4769750" "4775967" "4798448" "4861140" "4877717" "4983040" "4986633" "5073041" "5136164" "5139609" "5168401").PN. OR ("5497269").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/31 15:01
S119	525	edge near5 (lenslet micro \$1lens\$4)	US-PGPUB; USPAT	OR	ON	2010/07/31 15:05
S120	61	pixel near5 edge near5 (lenslet micro\$1lens\$4)	US-PGPUB; USPAT	OR	ON	2010/07/31 15:05
S121	123	pixel near5 edge near5 (spacing)	US-PGPUB; USPAT	OR	ON	2010/07/31 15:10
S122	6	("20050035376" "4694185" "5371397" "5479049" "5610390" "6211509").PN.	US-PGPUB; USPAT	OR	ON	2010/07/31 15:30

S123	43	(US-20070109438-\$ or US-20080239138-\$ or US-20070206110-\$ or US-20070187576-\$ or US-20070126912-\$ or US-20060072029-\$ or US-20060055811-\$ or US-20060044450-\$ or US-20050073603-\$ or US-20050024520-\$ or US-20040183938-\$ or US-20050041134-\$ or US-20030214898-\$ or US-20060192869-\$ or US-20030086013-\$ or US-20040218283-\$ or US-20020145797-\$ or US-20030095317-\$ or US-20010001562-\$ or US-20050155037-\$ or US-20040103061-\$ or US-20040061042-\$ or US-20090179142-\$ or US-20010026322-\$ or US-20060006438-\$ or US-20030111593-\$).did. or (US-20040129787-\$ or US-20050061951-\$ or US-20060119724-\$).did. or (US-7405761-\$ or US-6690049-\$ or US-5682203-\$ or US-7196728-\$ or US-7274808-\$ or US-6765617-\$ or US-5439621-\$ or US-4783141-\$ or US-5623552-\$ or US-7027719-\$ or US-6141048-\$ or US-6750437-\$).did. or (EP-825764-\$ or EP-1079613-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/03/16 12:37
S124	5	monolithic and S123	US-PGPUB; USPAT	OR	ON	2011/03/16 12:37
S125	7	lithog\$7 and S123	US-PGPUB; USPAT	OR	ON	2011/03/16 12:42
S126	3251	monolithic near5 plate	US-PGPUB; USPAT	OR	ON	2011/03/16 12:50

S127	1037	S126 and (Camera imager "image sens\$3" "image pickup" "solid state sensor" "solid state image sensor" ssid "photoelectric converter" (imaging near (device system apparatus)) (image near captur\$3 near (device system apparatus)) (image near sensing near (device system apparatus)) (CCD (charge\$1 adj couple \$1)) ((video pixel) adj sensor) "imaging unit" (module near5 (image imager imaging)))	US-PGPUB; USPAT	OR	ON	2011/03/16 12:50
S128	1	S123 and S127	US-PGPUB; USPAT	OR	ON	2011/03/16 12:50
S129	136	348/207.99-376.cds. and S127	US-PGPUB; USPAT	OR	ON	2011/03/16 12:51
S130	19	"250".clas. and S127	US-PGPUB; USPAT	OR	ON	2011/03/16 12:53
S131	17	"257".clas. and S127	US-PGPUB; USPAT	OR	ON	2011/03/16 12:55
S132	3251	monolithic near5 plate	US-PGPUB; USPAT	OR	ON	2011/03/18 09:40
S133	134	S132 and micro\$1lens\$4	US-PGPUB; USPAT	OR	ON	2011/03/18 09:40
S135	663	monolithic and micro\$1lens \$4 and (imag\$4 near5 sens \$4)	US-PGPUB; USPAT	OR	ON	2011/03/18 09:44
S136	61	(monolithic same micro \$1lens\$4) and (imag\$4 near5 sens\$4)	US-PGPUB; USPAT	OR	ON	2011/03/18 09:46
S137	3122	micro\$1lens\$4 and ((trench gap) same (fill\$4 film anti \$1reflect\$4))	US-PGPUB; USPAT	OR	ON	2011/03/18 10:52
S138	151054	"348".clas.	US-PGPUB; USPAT	OR	ON	2011/03/18 10:53
S139	273	S137 and S138	US-PGPUB; USPAT	OR	ON	2011/03/18 10:53
S140	170	micro\$1lens\$4 and ((trench gap) same (anti\$1reflect\$4))	US-PGPUB; USPAT	OR	ON	2011/03/18 10:56

S141	26	("20020001128" "20030107805" "20030137620" "20030214459" "20040008251" "20040119896" "20040196560" "20050073577" "20050200781" "20050243253" "20060098281" "20060152812" "20060164578" "20060238863" "20070058127" "4404471" "4957351" "5663831" "5666226" "5969850" "6204967" "6215594" "6297911" "6459532" "7139042" "7199845").PN. OR ("7813042").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/18 13:05
S142	22	microlens same trough	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/18 13:16
S143	49	microlens same (optical\$4 near5 isolat\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/18 13:22

EAST Search History (Interference)

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